

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



549998



(43) International Publication Date  
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number  
**WO 2004/084881 A1**

(51) International Patent Classification<sup>7</sup>: A61K 31/195, 31/216, 31/197 // (A61K 31/216, 31:197) (A61K 31/216, 31:195)

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(21) International Application Number:  
PCT/US2004/008701

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(22) International Filing Date: 22 March 2004 (22.03.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:

60/456,835	21 March 2003 (21.03.2003)	US
60/486,148	10 July 2003 (10.07.2003)	US
60/509,570	8 October 2003 (08.10.2003)	US
60/534,871	8 January 2004 (08.01.2004)	US
60/548,250	27 February 2004 (27.02.2004)	US
60/551,551	9 March 2004 (09.03.2004)	US

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Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS FOR TREATING FUNCTIONAL BOWEL DISORDERS USING  $\alpha_2\delta$  SUBUNIT CALCIUM CHANNEL MODULATORS WITH SMOOTH MUSCLE MODULATORS

WO 2004/084881 A1

(57) Abstract: A method is provided for using  $\alpha_2\delta$  subunit calcium channel modulators or other compounds that interact with the  $\alpha_2\delta$  calcium channel subunit in combination with one or more compounds with smooth muscle modulatory effects to treat functional bowel disorders in patients in need of treatment. According to the present invention,  $\alpha_2\delta$  subunit calcium channel modulators include GABA analogs including gabapentin and pregabalin, fused bicyclic or tricyclic amino acid analogs of gabapentin, and amino acid compounds. Compounds with smooth muscle modulatory effects include antimuscarinics,  $\beta_3$  adrenergic agonists, spasmolytics, neurokinin receptor antagonists, bradykinin receptor antagonists, and nitric oxide donors.